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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/796,812	03/09/2004	Thomas Dittenhofer	188.546	2039
20311	7590	02/07/2005	EXAMINER	
MUSERLIAN, LUCAS AND MERCANTI, LLP 475 PARK AVENUE SOUTH 15TH FLOOR NEW YORK, NY 10016			YAN, REN LUO	
			ART UNIT	PAPER NUMBER
			2854	

DATE MAILED: 02/07/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/796,812

Applicant(s)

DITTENHOFER ET AL.

Examiner

Ren L Yan

Art Unit

2854

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 09 March 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 3-9-2004.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

### DETAILED ACTION

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1 and 4-8 are rejected under 35 U.S.C. 102(b) as being anticipated by El-Ibiary(5,899,321). The patent to El-Ibiary teaches the structure of a bearing arrangement for opposite journals of a cylinder as claimed including a central bearing 40 received in a bearing housing 32, and a linear bearing unit having slots 34 and guide surfaces 34 and 36 on a connecting structure 26 to enable longitudinal displacement of the bearing housing 32 relative to the connecting structure 26, which is connected to a frame wall 18. See Figs. 1, 2 and 6, and column 5, lines 1-34 in El-Ibiary for details. Regarding claim 4, the journals 12 of El-Ibiary extend through the connecting structure 26 which defines an elongated slot that limits the linear movement of the bearing housing 32. Regarding claims 5 and 6, the bearing 40 of El-Ibiary comprises rotating ring elements and fixed ring elements. Regarding claim 7, the bearing housing 32 of El-Ibiary is equipped with a device 28, 44 and 46 for displacing the bearing housing 32. With respect to claim 8, the claimed invention is directed to a bearing arrangement for a cylinder. Since the bearing arrangement as taught by El-Ibiary fully meets the structural requirement as claimed, it is clearly capable of being used on a printing cylinder in a printing machine as recited.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

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(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over El-Ibiary in view of DE 8903980. The patent to El-Ibiary teaches all that is claimed except for the specific structural requirement of the linear bearing unit. DE 8903980 teaches a linear bearing unit including a V-shaped projection 8 with two first running surfaces on one part of the linear bearing, a correspondingly configured V-shaped recess with two second running surfaces that are parallel to the first running surfaces on the other part of the linear bearing, and rolling elements 10 and 12 arranged in an angled flat cage roll between the first and second running surfaces. See Fig. 2 in DE 8903980 for example. It would have been obvious to those having ordinary skill in the art to provide the linear bearing unit of El-Ibiary with the V-shaped projection and recess and the rolling elements rolling in between the two running surfaces appropriately disposed to replace the slots and guide surface in order to ensure smooth displacement of the bearing housing 32 relative to the connecting structure 26 during adjustment of the cylinder in a longitudinal direction.

Claim 3 is rejected under 35 U.S.C. 103(a) as being unpatentable over El-Ibiary in view of Asami(4,420,194). The patent to El-Ibiary teaches all that is claimed except for the specific structural requirement of the linear bearing unit. Asami teaches in Fig. 2 a conventional linear bearing arrangement having a rectangular shaped projection 6 with three running surfaces on one part of the linear bearing 1, a correspondingly configured recess 3 with second running surfaces that are parallel to the first running surfaces on the other part of linear bearing 2, and rolling

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elements 4 and 5 arranged in a flat cage roll between the first and second running surfaces. In view of the teaching of Asami, it would have been obvious to those having ordinary skill in the art to provide the linear bearing unit of El-Ibiary with the bearing structure appropriately disposed as taught by Asami in order to ensure smooth displacement of the bearing housing 32 relative to the connecting structure 26 during adjustment of the cylinder in a longitudinal direction.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ren L Yan whose telephone number is 571-272-2173. The examiner can normally be reached on 8:30am-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Hirshfeld can be reached on 571-272-2168. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Ren L Yan  
Primary Examiner  
Art Unit 2854

Ren Yan  
Feb. 3, 2005